

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

YEAR

**March****2008**

TO: Hydrologic Information Center, W/OS31  
 NOAA's National Weather Service  
 1325 East West Highway  
 Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

**April 15, 2008**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

**X** An X inside this box indicates that no flooding occurred within this hydrologic service area.

The San Angelo hydrologic service area (HSA) received generous amounts of rain during the last half of March. Beginning on the 17<sup>th</sup>, a strong upper level storm system from northern Mexico converged with the dry line and a cold front entering the west central Texas region. In addition to severe weather, there was wide-spread rainfall that delivered much needed moisture to the area. A wide area extending from southern Crockett County to Throckmorton County received two to three inches of rain from the 17<sup>th</sup> through 19<sup>th</sup>. Within this area, a few reports of four to five inches of rain were received that generated runoff to surface water supplies. This rain event followed a very dry period across the HSA that started in October, 2007.

The following rainfall records were noted in Abilene and San Angelo during March...

In Abilene...0.73 inches of rain on the 17<sup>th</sup> was record rainfall for that date. The previous record was 0.54 of an inch in 1952. March 2008 was the fourth wettest March on record. Years with higher rainfall totals for March include 2007 with 4.28 inches, 1938 with 4.36 inches, and 1979 with 5.16 inches.

In San Angelo...rainfall of 0.50 inches on the 3<sup>rd</sup> was record rainfall for that date. The previous record was 0.47 of an inch in 1981. Rainfall of 2.05 inches on the 17<sup>th</sup> was record rainfall for that date. The previous record was 1.09 inches in 1925. Rainfall of 1.22 inches on the 18<sup>th</sup> was recorded rainfall for that date. The previous record was 0.73 of an inch in 1964. March rainfall of 4.64 inches is the second highest rainfall total ever recorded in March. The most ever recorded in March was 5.00 inches in 1953.

The average precipitation reported from coop observers in March was 3.69 inches. The highest monthly precipitation total of 6.55 inches was reported in Callahan County. Coop observers in Callahan, Coleman, Concho, Menard, Schleicher, Shackelford and Taylor Counties received over 5.00 inches of precipitation in March.

The San Angelo Regional Airport received 4.64 inches of precipitation during March, which was 3.65 inches above normal for the month. The monthly normal rainfall for San Angelo in March is 0.99 of an inch.

The Abilene Regional Airport received 4.06 inches of precipitation during March, which was 2.65 inches above normal for the month. The monthly normal rainfall for Abilene in March is 1.41 inches.

Junction received 1.62 inches of rain during March. The estimated average monthly rainfall in March is about 1.25 to 1.5 inches.

**Coop Observer Rainfall Totals for March, 2008:**

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	4.43		Merkel 12SW	5.24
Acton Ranch	3.67		Ozona	1.43
Albany	5.95		Ozona 22SE	4.49
Anson	2.67		Paint Rock	5.97
Ballinger 2NW	4.75		Putnam	6.55
Brady	4.23		Red Bluff Crossing	3.35
Brownwood	4.45		Richland Springs	3.10
Burkett	4.53		Robert Lee	3.79
Coleman	4.74		Roscoe	2.75
Concho Park	4.71		Rotan	1.23
Eden	4.38		San Angelo WFO	4.42
Eldorado	3.56		San Saba 7NW	3.51
Eldorado 10W	5.35		Silver Valley	5.39
Eldorado 12N	M		Sonora	2.81
Fort Griffin	6.25		Stamford	M
Fort McKavett	2.68		Sterling City	3.25
Glen Cove 2NE	5.00		Taylor Ranch	1.82
Hamlin	2.82		Telegraph	1.67
Haskell	1.98		Throckmorton 7NE	1.64
Hords Creek	M		Water Valley	2.89
Humble Pump	2.19		Water Valley 11NE	2.89
Junction 4SSW	1.70		Winters	3.52
Lawn	4.22		Woodson	4.84
London 3N	2.20			
Mason	1.61		(M) <i>Missing data</i>	
Menard	5.15		(T) <i>Trace</i>	

**Reservoir Conditions (end of March, 2008)**

<b>Reservoir</b>	<b>Conservation Capacity (Ac-Ft)</b>	<b>End of Month Capacity (Ac-Ft)</b>	<b>Percent of Capacity (%)</b>
Fort Phantom Hill	70,030	68,480	98
Lake Stamford	52,700	48,190	93
Hubbard Creek Lake	317,800	293,980	92
Hords Creek Lake	8,800	7,190	89
Lake Brownwood	131,428	127,300	97
E.V. Spence	488,760	71,370	14
O.C. Fisher	119,200	10,300	9
O.H. Ivie	554,340	379,200	68
Twin Buttes	177,800	87,140	49

**Hydro Products Issued**

FFA = 4

FFW = 3

FFS = 4

FLS = 11 (Urban/Small Stream Advisory)

RVS = 0

FLW = 0

ESF = 1 (Spring Flood Outlook)

PNS = 1 (Drought Statement)